

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date Mar. 30, 2018	EPA Reg. No./File Symbol 70506-18	Page 1 of 11
Applicant's / Registrant's Name & Address United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406		Product Bifenthrin Technical Insecticide/Miticide

Ingredient **Bifenthrin (CAS No. 82657-04-3)**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	45654401, 50363501, 50550001	United Phosphorus, Inc.	OWN	
830.1600	Description of Materials Used to Produce the Product	45654401, 50363501, 50550001	United Phosphorus, Inc.	OWN	
830.1620	Description of Production Process	45654401, 50363501, 50550001	United Phosphorus, Inc.		
830.1650	Description of Formulation Process				Not Required ¹
830.1670	Discussion of Formation of Impurities	45654401, 50363501, 50550001	United Phosphorus, Inc.	OWN	
830.1700	Preliminary Analysis	45654401, 50363501, 50363502, 50550002	United Phosphorus, Inc.	OWN	

Signature 	Name and Title Nicole O'Loughlin, Regulatory Consultant	Date Mar. 30, 2018
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Applicant's / Registrant's Name & Address <p align="center">United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406</p>	Product Bifenthrin Technical Insecticide/Miticide	

Ingredient **Bifenthrin (CAS No. 82657-04-3)**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1750	Certified Limits	45654401, 50363501, 50550001	United Phosphorus, Inc.	OWN	
830.1800	Enforcement Analytical Method	45654401, 50363501, 50363502, 50550002	United Phosphorus, Inc.	OWN	
830.6302	Color	45654402	United Phosphorus, Inc.	OWN	
830.6303	Physical State	45654402	United Phosphorus, Inc.	OWN	
830.6304	Odor	45654402	United Phosphorus, Inc.	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	45654403	United Phosphorus, Inc.	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	45838001	United Phosphorus, Inc.	OWN	
830.6315	Flammability	45838001	United Phosphorus, Inc.	OWN	
830.6316	Explosibility	45838001	United Phosphorus, Inc.	OWN	

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Applicant's / Registrant's Name & Address United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406			Product Bifenthrin Technical Insecticide/Miticide		
Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6317	Storage Stability	45654403, 46414201	United Phosphorus, Inc.	OWN	
830.6319	Miscibility				Not Required ²
830.6320	Corrosion Characteristics	46414201	United Phosphorus, Inc.	OWN	
830.6321	Dielectric Breakdown Voltage				Not Required ²
830.7000	pH	45838001	United Phosphorus, Inc.	OWN	
830.7050	UV/Visible Absorption	CITE ALL		PAY	See list of companies in 'Generic Data' section of Matrix
830.7100	Viscosity				Not Required ²
830.7200	Melting Point/Melting Range	45838001	United Phosphorus, Inc.	OWN	
830.7220	Boiling Point/Boiling Range	45838001	United Phosphorus, Inc.	OWN	
830.7300	Density/Relative Density/Bulk Density	45838001, 46008501, 46008502	United Phosphorus, Inc.	OWN	
830.7370	Dissociation Constants in Water	45838001	United Phosphorus, Inc.,	OWN	

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Applicant's / Registrant's Name & Address <p align="center">United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406</p>	Product Bifenthrin Technical Insecticide/Miticide	

Ingredient **Bifenthrin (CAS No. 82657-04-3)**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7520	Particle size, fiber length, diameter distribution				Not Required ²
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	CITE-ALL		PAY	See list of companies in 'Generic Data' section of Matrix
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method; Shake Flask Method	CITE-ALL		PAY	See list of companies in 'Generic Data' section of Matrix
830.7860	Water Solubility, Generator Column Method				See 830.7840
830.7950	Vapor Pressure	CITE-ALL		PAY	See list of companies in 'Generic Data' section of Matrix
870.1100 (81-1)	Acute Oral Toxicity: Rat	45654404	United Phosphorus, Inc.	OWN	

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Applicant's / Registrant's Name & Address <p align="center">United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406</p>	Product Bifenthrin Technical Insecticide/Miticide	

Ingredient **Bifenthrin (CAS No. 82657-04-3)**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.1200 (81-2)	Acute Dermal Toxicity: Rat	45654405	United Phosphorus, Inc.	OWN	
870.1300 (81-3)	Acute Inhalation Toxicity: Rat	00155286	FMC Corporation	OLD	
870.2400 (81-4)	Primary Eye Irritation: Rabbit	00132522	FMC Corporation	OLD	
870.2500 (81-5)	Primary Dermal Irritation	00132521	FMC Corporation	OLD	
870.2600 (81-6)	Dermal Sensitization	00132523	FMC Corporation	OLD	
Product Specific and Generic Data Requirements					
United Phosphorus, Inc. (UPI) is using the cite-all option to satisfy generic data requirements for bifenthrin (128825). UPI has made offers-to-pay to the following companies on the Jan. 9, 2018 Data Submitters List for bifenthrin.					
		Cite-All	Syngenta Crop Protctn, Greensboro NC	PAY	
		Cite-All	Nufarm Americas, Inc., Morrisville, NC	PAY	
		Cite-All	The Scotts Co. dba Ortho, Marysville, OH	PAY	
		Cite-All	Bayer Cropscience LP; RTP, NC	PAY	
		Cite-All	FMC Corp.; Philadelphia, PA	PAY	

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Ingredient **Bifenthrin (CAS No. 82657-04-3)**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		Cite-All	Bayer Env. Science; RTP, NC	PAY	
		Cite-All	BASF Corp, RTP, NC	PAY	
		Cite-All	The Scotts Co., Marysville, OH	PAY	
		Cite-All	Lebanon Seaboard Corp., Lebanon, PA	PAY	
		Cite-All	McLaughlin Gormley King Co, dba MGK, Minneapolis, MN	PAY	
		Cite-All	Fuller Systems, Inc., Woburn, MA	PAY	
		Cite-All	Winfield Solutions, LLC, St. Paul, MN	PAY	
		Cite-All	Sergeant's Pet Care Prd's, Omaha, NE	PAY	
		Cite-All	Aceto Ag. Chemicals Corp., Port Washington, NY	PAY	
		Cite-All	S. C. Johnson & Son, Inc., Racine, WI	PAY	
		Cite-All	Amvac Chm Corp., Newport Beach, CA	PAY	
		Cite-All	Helena Chemical Co., Memphis, TN	PAY	
		Cite-All	Southern States Co-op., Inc, Salem, VA	PAY	
		Cite-All	Nippon Soda Co., Ltd., New York, NY	PAY	

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Ingredient **Bifenthrin (CAS No. 82657-04-3)**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		Cite-All	The Andersons, Inc., Maumee, OH	PAY	
		Cite-All	Sunniland Corp., Sanford, FL	PAY	
		Cite-All	Chemsico, St. Louis, MO	PAY	
		Cite-All	Lesco, Inc., Cleveland, OH	PAY	
		Cite-All	ADAMA Makhteshim Ltd, c.o. Makhteshim Agan of NA, Raleigh, NC	PAY	
		Cite-All	Loveland Products, Inc., Greeley, CO	PAY	
		Cite-All	Howard Fertilizer & Chm. Co., Salem, VA	PAY	
		Cite-All	Albaugh, LLC, Valdosta, GA	PAY	
		Cite-All	BASF Sparks, LLC, RTP, NC	PAY	
		Cite-All	Control Solutions, Inc., Pasadena, TX	PAY	
		Cite-All	Arizona Chm Grp, c/o Pyxis Regulatory Consulting, Gig Harbor, WA	PAY	
		Cite-All	Valent USA LLC, Walnut Creek, CA	PAY	
		Cite-All	Pyrethroid Working Grp, c/o Landis, Valdosta, GA	PAY	

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Ingredient **Bifenthrin (CAS No. 82657-04-3)**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		Cite-All	Makhteshim Agan of NA, Raleigh, NC	PAY	
		Cite-All	Arysta Lifescience NA, Cary, NC	PAY	
		Cite-All	Spray Drift TF, Washington, DC	OWN	
		Cite-All	Bengal Products, Inc., Baton Rouge, LA	PAY	
		Cite-All	Outdoor Res Exp TF, Washington DC	OWN	
		Cite-All	Ag Reentry TF, Washington, DC	OWN	
		Cite-All	Sapstain Industry Group, Titusville, NJ	PAY	
		Cite-All	Non-Dietary Exp TF, Washington, DC	PAY	
		Cite-All	Nisso LLC, New York, NY	PAY	
		Cite-All	Univar Env. Sciences, Brookfield, CT	PAY	
		Cite-All	FIFRA Engangered Species TF, Lakewood, WA	PAY	
		Cite-All	Residential Exposure JV, Washington, DC	PAY	
		Cite-All	Atex, Inc. c/o Landis, Valdosta, GA	PAY	

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Ingredient **Bifenthrin (CAS No. 82657-04-3)**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		Cite-All	Ag Handler Exposure TF, Macon, MO	OWN	
		Cite-All	Osmose Utilities Svcs, Inc, P'tree City GA	PAY	
		Cite-All	Ensystex II, c/o Pyxis, Gig Harbor, WA	PAY	
		Cite-All	Sharda Cropchem Ltd., c/o Wagner, Hockessin, DE	PAY	
		Cite-All	Winfield Solutions, LLC, St. Paul, MN	PAY	
		Cite-All	Tacoma Ag., c/o Pyxis, Gig Harbor, WA	PAY	
		Cite-All	Sharda USA LLC, c/o Wagner, Hockessin, DE	PAY	
		Cite-All	Ensystex IV, c/o Pyxis, Gig Harbor, WA	PAY	
		Cite-All	Ragan and Massey, Inc, c/o Pyxis, Gig Harbor, WA	PAY	
		Cite-All	Wet & Forget USA Ltd, c/o Lewis & Harrison, Washington, DC	PAY	
		Cite-All	Generic Endangered Species TF, c/o Pyxis, Gig Harbor, WA	OWN	
		Cite-All	Kaizen Technologies, Johnston, CO	PAY	

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Applicant's / Registrant's Name & Address <p align="center">United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406</p>	Product Bifenthrin Technical Insecticide/Miticide	

Ingredient **Bifenthrin (CAS No. 82657-04-3)**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		Cite-All	Bifenthrin TF, c/o CSPA, Washington, DC	OWN	
		Cite-All	Solutions Pest & Lawn, c/o Biologic Brookfield, CT	PAY	
		Cite-All	Vive Crop Prot. Inc., c/o OMC AG Consulting, East Lansing, MI	PAY	
		Cite-All	Liberty Crop Protection, Loveland, CO	PAY	
		Cite-All	Prime Source c/o Wagner, Hockessin, DE	PAY	
		Cite-All	Genmerica NA, c/o GHB, LeMars, IA	PAY	
		Cite-All	Tevra Brands, LLC, Omaha, NE	PAY	

Signature 	Name and Title Nicole O'Loughlin, Regulatory Consultant	Date Mar. 30, 2018
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Endnotes for Data Matrix for Bifenthrin Technical Insecticide/Miticide

Mar. 30, 2018

¹ 830.1650 – per OSCPP 830.1000 guidelines, these data are not required for the registration of a technical grade active ingredient. See 830.1620 for production process information.

² 830.6319, 830.6321, 830.7100, 830.7520 - Per OSCPP 830.1000 guidelines, these data are not required for the registration of a technical grade active ingredient. Additionally, this product is not a liquid, is not a fibrous material, and is not used around electrical equipment

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Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Product Chemistry Series A					
830.1550	Product Identity and Composition	45654401, 50363501	United Phosphorus, Inc.	OWN	
830.1600	Description of Materials Used to Produce the Product	45654401, 50363501	United Phosphorus, Inc.	OWN	
830.1620	Description of Production Process	45654401, 50363501	United Phosphorus, Inc.		
830.1650	Description of Formulation Process				Not Required ¹
830.1670	Discussion of Formation of Impurities	45654401, 50363501	United Phosphorus, Inc.	OWN	
830.1700	Preliminary Analysis	45654401, 50363501, 50363502	United Phosphorus, Inc.	OWN	
830.1750	Certified Limits	45654401, 50363501	United Phosphorus, Inc.	OWN	

Signature 	Name and Title Crystal Layton, Regulatory Manager	Date 11/28/18
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Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

830.1800	Enforcement Analytical Method	45654401, 50363501, 50363502	United Phosphorus, Inc.	OWN	
Product Chemistry Series B					
830.6302	Color	45654402	United Phosphorus, Inc.	OWN	
830.6303	Physical State	45654402	United Phosphorus, Inc.	OWN	
830.6304	Odor	45654402	United Phosphorus, Inc.	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	45654403	United Phosphorus, Inc.	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	45838001	United Phosphorus, Inc.	OWN	
830.6315	Flammability	45838001	United Phosphorus, Inc.	OWN	
830.6316	Explosibility	45838001	United Phosphorus, Inc.	OWN	

Signature 	Name and Title Crystal Layton, Regulatory Manager	Date 11/28/18
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Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6317	Storage Stability	45654403, 46414201	United Phosphorus, Inc.	OWN	
830.6319	Miscibility				Not Required ²
830.6320	Corrosion Characteristics	46414201	United Phosphorus, Inc.	OWN	
830.6321	Dielectric Breakdown Voltage				Not Required ²
830.7000	pH	45838001	United Phosphorus, Inc.	OWN	
830.7050	UV/Visible Absorption	CITE ALL		PAY	See list of companies in 'Generic Data' section of Matrix
830.7100	Viscosity				Not Required ²
830.7200	Melting Point/Melting Range	45838001	United Phosphorus, Inc.	OWN	
830.7220	Boiling Point/Boiling Range	45838001	United Phosphorus, Inc.	OWN	

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Applicant's / Registrant's Name & Address United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406			Product Bifenthrin Technical Insecticide/Miticide		
Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7300	Density/Relative Density/Bulk Density	45838001, 46008501, 46008502	United Phosphorus, Inc.	OWN	
830.7370	Dissociation Constants in Water	45838001	United Phosphorus, Inc.,	OWN	
830.7520	Particle size, fiber length, diameter distribution				Not Required ²
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	CITE-ALL		PAY	See list of companies in 'Generic Data' section of Matrix
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method; Shake Flask Method	CITE-ALL		PAY	See list of companies in 'Generic Data' section of Matrix
830.7860	Water Solubility, Generator Column Method				See 830.7840

Signature 	Name and Title Crystal Layton, Regulatory Manager	Date 11/28/18
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Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

830.7950	Vapor Pressure	CITE-ALL		PAY	See list of companies in 'Generic Data' section of Matrix
Acute Toxicity					
870.1100 (81-1)	Acute Oral Toxicity: Rat	45654404	United Phosphorus, Inc.	OWN	
870.1200 (81-2)	Acute Dermal Toxicity: Rat	45654405	United Phosphorus, Inc.	OWN	
870.1300 (81-3)	Acute Inhalation Toxicity: Rat	00155286	FMC Corporation	OLD	
870.2400 (81-4)	Primary Eye Irritation: Rabbit	00132522	FMC Corporation	OLD	
870.2500 (81-5)	Primary Dermal Irritation	00132521	FMC Corporation	OLD	
870.2600 (81-6)	Dermal Sensitization	00132523	FMC Corporation	OLD	

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Applicant's / Registrant's Name & Address United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406		Product Bifenthrin Technical Insecticide/Miticide			
Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Generic Data Requirements	Cite-All	Syngenta Crop Protctn, Greensboro NC	PAY	
United Phosphorus, Inc. (UPI) is using the cite-all option to satisfy generic data requirements for bifenthrin (PC 128825). UPI will make offers to pay to the following companies on the 10/1/2018 Pesticide Data Submitter's List for bifenthrin.	Cite-All	Nufarm Americas, Inc., Morrisville, NC	PAY	
	Cite-All	The Scotts Co. dba Ortho, Marysville, OH	PAY	
	Cite-All	Bayer Cropscience LP; RTP, NC	PAY	
	Cite-All	FMC Corp.; Philadelphia, PA	PAY	
	Cite-All	Bayer Env. Science; RTP, NC	PAY	
	Cite-All	BASF Corp, RTP, NC	PAY	
	Cite-All	The Scotts Co., Marysville, OH	PAY	
	Cite-All	Lebanon Seaboard Corp., Lebanon, PA	PAY	
	Cite-All	McLaughlin Gormley King Co, dba MGK, Minneapolis, MN	PAY	
Signature 		Name and Title Crystal Layton, Regulatory Manager		Date 11/28/18

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Applicant's / Registrant's Name & Address United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406		Product Bifenthrin Technical Insecticide/Miticide			
Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

		Cite-All	Fuller Systems, Inc., Woburn, MA	PAY	
		Cite-All	Winfield Solutions, LLC, St. Paul, MN	PAY	
		Cite-All	Sergeant's Pet Care Prd's, Omaha, NE	PAY	
		Cite-All	Aceto Ag. Chemicals Corp., Port Washington, NY	PAY	
		Cite-All	S. C. Johnson & Son, Inc., Racine, WI	PAY	
		Cite-All	Amvac Chm Corp., Newport Beach, CA	PAY	
		Cite-All	Helena Chemical Co., Memphis, TN	PAY	
		Cite-All	Southern States Co-op., Inc, Salem, VA	PAY	
		Cite-All	Nippon Soda Co., Ltd., New York, NY	PAY	

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Applicant's / Registrant's Name & Address United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406			Product Bifenthrin Technical Insecticide/Miticide		
Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		Cite-All	The Andersons, Inc., Maumee, OH	PAY	
		Cite-All	Sunniland Corp., Sanford, FL	PAY	
		Cite-All	Chemsico, St. Louis, MO	PAY	
		Cite-All	Lesco, Inc., Cleveland, OH	PAY	
		Cite-All	ADAMA Makhteshim Ltd, c.o. Makhteshim Agan of NA, Raleigh, NC	PAY	
		Cite-All	Loveland Products, Inc., Greeley, CO	PAY	
		Cite-All	Howard Fertilizer & Chm. Co., Salem, VA	PAY	
		Cite-All	Albaugh, LLC, Valdosta, GA	PAY	
		Cite-All	BASF Sparks, LLC, RTP, NC	PAY	

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Applicant's / Registrant's Name & Address United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406		Product Bifenthrin Technical Insecticide/Miticide			
Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

		Cite-All	Control Solutions, Inc., Pasadena, TX	PAY	
		Cite-All	Arizona Chm Grp, c/o Pyxis Regulatory Consulting, Gig Harbor, WA	PAY	
		Cite-All	Valent USA LLC, Walnut Creek, CA	PAY	
		Cite-All	Pyrethroid Working Grp, c/o Landis, Valdosta, GA	PAY	
		Cite-All	Makhteshim Agan of NA, Raleigh, NC	PAY	
		Cite-All	Arysta Lifescience NA, Cary, NC	PAY	
		Cite-All	Spray Drift TF, Washington, DC	OWN	
		Cite-All	Bengal Products, Inc., Baton Rouge, LA	PAY	

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Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		Cite-All	Outdoor Res Exp TF, Washington DC	OWN	
		Cite-All	Ag Reentry TF, Washington, DC	OWN	
		Cite-All	Sapstain Industry Group, Titusville, NJ	PAY	
		Cite-All	Non-Dietary Exp TF, Washington, DC	PAY	
		Cite-All	Nisso LLC, New York, NY	PAY	
		Cite-All	Univar Env. Sciences, Brookfield, CT	PAY	
		Cite-All	FIFRA Engangered Species TF, Lakewood, WA	PAY	
		Cite-All	Residential Exposure JV, Washington, DC	PAY	
		Cite-All	Atex, Inc. c/o Landis, Valdosta, GA	PAY	

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Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		Cite-All	Ag Handler Exposure TF, Macon, MO	PAY	
		Cite-All	Osmose Utilities Svcs, Inc, P'tree City GA	PAY	
		Cite-All	Ensystex II, c/o Pyxis, Gig Harbor, WA	PAY	
		Cite-All	Sharda Cropchem Ltd., c/o Wagner, Hockessin, DE	PAY	
		Cite-All	Winfield Solutions, LLC, St. Paul, MN	PAY	
		Cite-All	Tacoma Ag., c/o Pyxis, Gig Harbor, WA	PAY	
		Cite-All	Sharda USA LLC, c/o Wagner, Hockessin, DE	PAY	
		Cite-All	Ensystex IV, c/o Pyxis, Gig Harbor, WA	PAY	
		Cite-All	Wet & Forget USA Ltd, c/o Lewis & Harrison, Washington, DC	PAY	
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Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

		Cite-All	Ragan and Massey, Inc. c/o Pyxis, Gig Harbor, WA		
		Cite-All	Generic Endangered Species TF, c/o Pyxis, Gig Harbor, WA	OWN	
		Cite-All	Kaizen Technologies, Johnston, CO	PAY	
		Cite-All	Bifenthrin TF, c/o CSPA, Washington, DC	OWN	
		Cite-All	Vive Crop Prot. Inc., c/o OMC AG Consulting, East Lansing, MI	PAY	
		Cite-All	Liberty Crop Protection, Loveland, CO	PAY	
		Cite-All	Prime Source c/o Wagner, Hockessin, DE	PAY	
		Cite-All	Atticus, LLC. , c/o Pyxis, Gig Harbor, WA	PAY	

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Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		Cite-All	Genmerica NA, c/o GHB, LeMars, IA	PAY	
		Cite-All	Tevra Brands, LLC, Omaha, NE	PAY	

Endnotes for Data Matrix for Bifenthrin Technical Insecticide/Miticide

November 28, 2018

- 830.1650 per OSCPP 830.1000 guidelines, these data are not required for the registration of a technical grade active ingredient. See 830.1620 for production process information.
- 830.6319, 830.6321, 830.7100, 830.7520 - Per OSCPP 830.1000 guidelines, these data are not required for the registration of a technical grade active ingredient. Additionally, this product is not a liquid, is not a fibrous material, and is not used around electrical equipment.

Signature 	Name and Title Crystal Layton, Regulatory Manager	Date 11/28/18
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